FIG. 1 Prior Art

4th Number	7	4	4	7	9
_		1	١	ŀ	1
3rd Number	7	က	7	က	က
_	1	1	•	1	•
2nd Number	7		က	4	7
_	•		•	1	1
1st Number	T				4

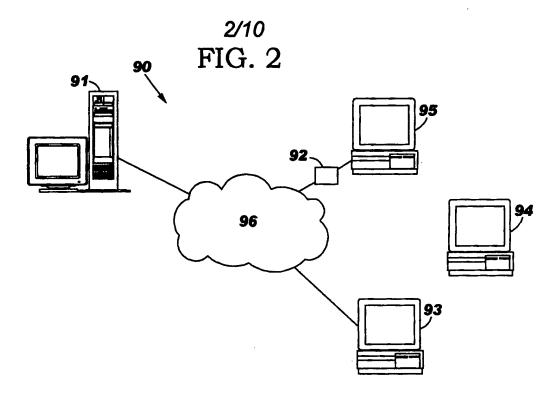
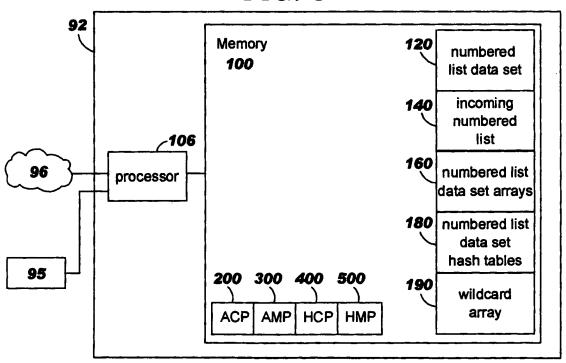
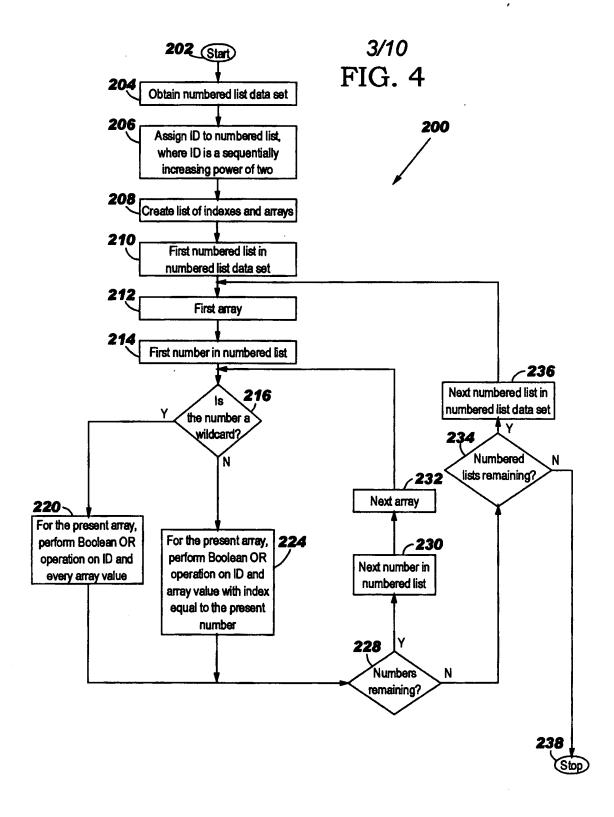


FIG. 3





RSW920030306US1 Fast Searching Of List For IP Filtering Wigger

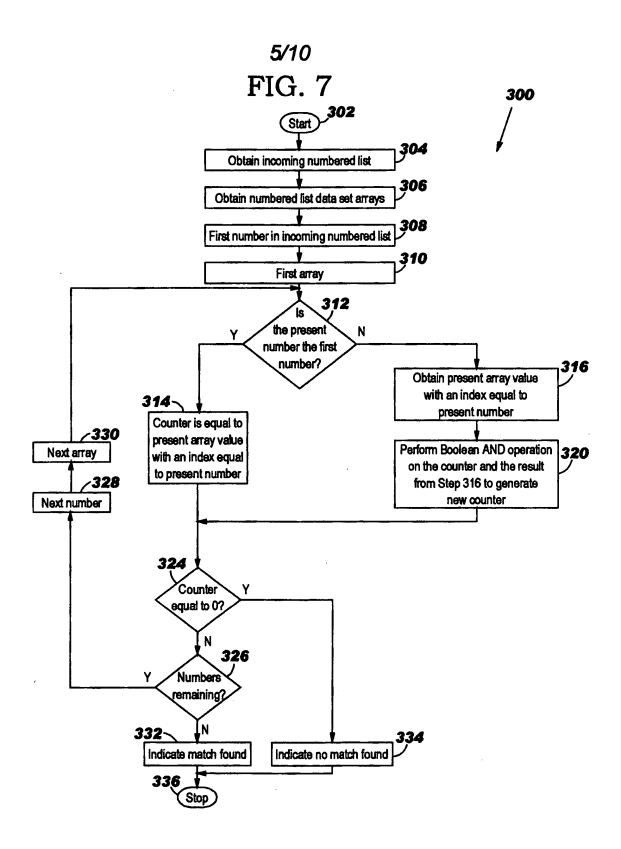
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FIG. 5

282	28	4
numbered list	ID	
1.2.3.4	1	
1.2.*.5	2	
1.1.3.4	4	
..5.4	8	

FIG. 6

286	288	290	292	294
Index	Аггау 1	Array 2	Агтау 3	Array 4
0	0x8	0x8	0x2	0x0
1	0xF	0xC	0x2	0x0
2	0x8	0xB	0x2	0x0
3	0x8	0x8	0x7	0x0
4	0x8	0x8	0x2	0xD
5	0x8	0x8	0xA	0x2
6	0x8	0x8	0x2	0x0
7	0x8	0x8	0x2	0x0
8	0x8	0x8	0x2	0x0
9	0x8	0x8	0x2	0x0
Α	0x8	0x8	0x2	0x0
В	0x8	0x8	0x2	0x0
С	0x8	0x8	0x2	0x0
D	0x8	0x8	0x2	0x0
E	0x8	0x8	0x2	0x0
F	0x8	0x8	0x2	0x0



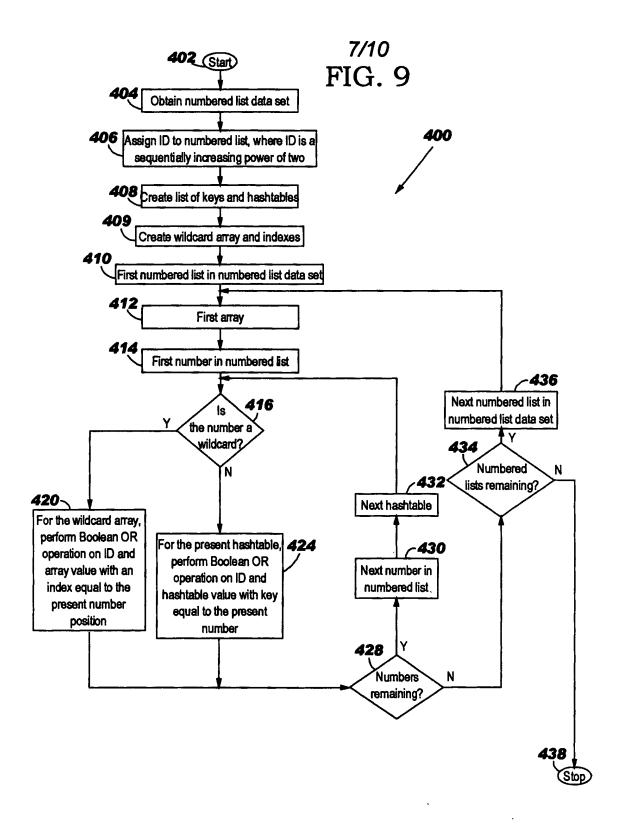
RSW920030306US1 Fest Searching Of List For IP Filtering Wilder

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382	384	386 <	388 —	
			Counter at	
Number	Array Value	Step 312	Step 324	
1	0xF	N/A	0xF	
2_	0xB	0xF	0xB	
6 0x2		0xB	0x2	
5	0x2	0x2	0x2	

FIG. 8B

382	384	386	388 _
		Counter at	Counter at
Number	Array Value	Step 312	Step 324
2	0x8	N/A	0x8
3	0x8	0x8	0x8
2	0x2	0x8	0x0
5	Not	Not	Not
	obtained	calculated	calculated



R8W920030308U81 Fast Searching Of List For IP Fillering Wildoor

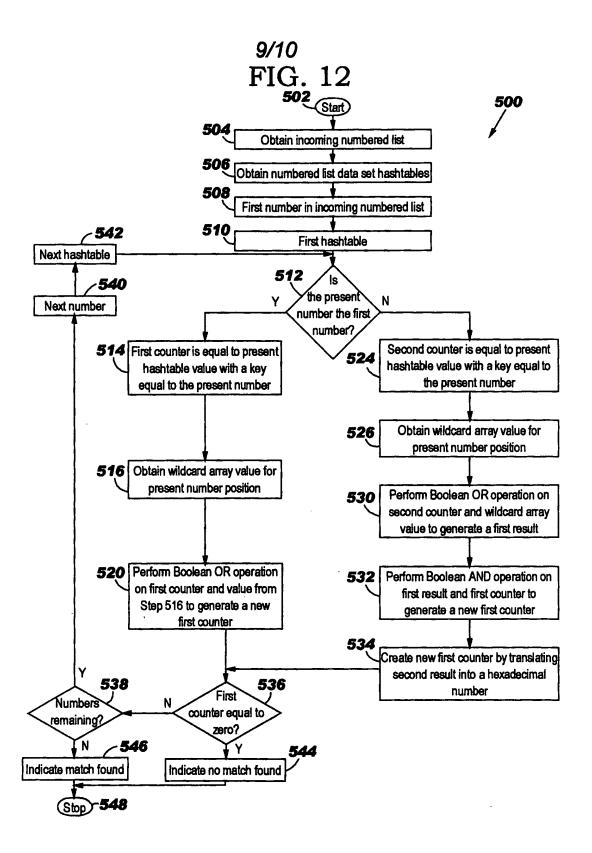
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FIG. 10

4	80	482	484	486~	488
	Key	Hashtable 1	Hashtable 2	Hashtable 3	Hashtable 4
	1	0x7	0x4		
	2		0x3		\mathcal{N}
	3			0x5	\searrow
	4				0xD
	5		$ > \!\! > \!\! <$	0x8	0x2

FIG. 11

49	20	492
		Wildcard
	Index	Array
1		0x8
ı	2	0x8
3		0x2
	4	0x0



RSW920030306US1 Fast Searching Of List For IP Filtering Wigger

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5	80~	582 5	584 :	586 <u> </u>	588 🔍	590 <	592 _\ 5	594 <
	Number	Hashtable Value	Wildcard array	First counter	Second counter	First result	Second result	First counter
			value	at step 512	at step 524	at step 520/530	at step 532	at step 536
	1	0x7	0x8	N/A	N/A	1111	N/A	0xF
	2	0x3	0x8	0xF	0x3	1011	1011	0xB
	6	0x0	0x2	0xB	0x0	0010	0010	0x2
	5	0x2	0x0	0x2	0x2	0010	0010	0x2

FIG. 13B

5	80~	582 <	584	586 🔨 🤄	588 🔍	590	592 \	594 <
	Number	Hashtab Value	le Wildcard array value	First counter at step 512	Second counter at step 524	First result at step 520/530	Second result at step 532	First counter at step 536
	2	0x0	0x8	N/A	N/A	1000	N/A	0x8
	3	0x0	0x8	0x8	0x0	1000	1000	0x8
	2	0x0	0x2	0x8	0x0	0010	0000	0x0
	5	Not obtained	Not d obtained	Not calculated	Not calculated	Not calculated	Not calculated	Not calculated